

ABSTRACT OF THE DISCLOSURE

The liquid droplet ejection apparatus includes a liquid supply path, a plurality of mutually independent pressurizing chambers, a plurality of liquid introduction bores for establishing communication between the corresponding pressurizing chambers and the liquid supply path, and a plurality of ejection nozzles for establishing communication between the corresponding pressurizing chambers and the exterior of the liquid droplet ejection apparatus. An ejection bore formed at the end portion of the ejection nozzle has a hollow cylindrical form and the inside diameter thereof increases toward an ejection opening. When a potential difference is applied between two electrodes of a piezoelectric/electrostrictive element, a ceramic sheet forming the upper wall of the pressurizing chamber deforms to thereby cause a change of the volume of the pressurizing chamber. Thus, liquid pressure within the pressurizing chamber increases to thereby cause simultaneous ejection of a plurality of liquid droplets from the ejection opening.